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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : N. Tsukaguchi et al. Confirmation No.: 1589  
Serial No. : 10/713,390  
Filed : November 14, 2003  
TC/A.U. : 1775  
Examiner : C. Lam

Docket No. : 02-668-US2  
Customer No. : 34704

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

In accordance with the requirements of 37 CFR 1.97 and 1.98, Applicant hereby submits the prior art listed hereinbelow, copies enclosed, which prior art was cited in the corresponding European application.

- (1) EP Patent No. 0 935 286 entitled COPPER CIRCUIT JUNCTION SUBSTRATE AND..., By Sasaki et al., published August 11, 1999. The abstract is attached hereto.
- (2) Patent Abstracts of Japan Publication No. 11322455, entitled CERAMICS/METAL BONDED BODY AND ITS PRODUCTION, By Yoshihide, published November 24, 1999. The abstract is attached hereto.
- (3) EP Patent No. 0 827 198 entitled METAL CERAMIC SUBSTRATES FOR..., By Sakuraba et al., published March 4,

1998. The abstract is attached hereto.

- (4) DE Patent No. 44 06 397 published August 31, 1995.

This patent is in German and there is no English abstract provided.

- (5) Patent Abstracts of Japan Publication No. 10326949 entitled CIRCUIT BOARD, By Yasuto, published December 8, 1998. The abstract is attached hereto.

The undersigned hereby certifies that each item contained in this information disclosure statement was first cited in the European search report issued on December 8, 2004.

The undersigned submits the above-identified references for independent consideration by the Examiner and does not make any admission that these references are or are not material to the present invention or that these references are or are not prior art with respect to the present invention.

If any fees are required in connection with this case, it is respectfully requested that they be charged to Deposit Account No. 02-0184.

Respectfully submitted,

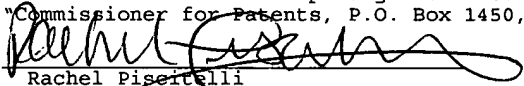
N. Tsukaguchi et al.

By 

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Date: January 19, 2005

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:  
"Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313" on January 19, 2005.

  
Rachel Piseitelli

PTO/SB/08A (08-03)